

Prevention First 2004
An Onshore and Offshore Pollution Prevention
Symposium & Technology Exhibition
September 14 - 15, 2004
The Westin Long Beach Hotel



### TABLE OF CONTENTS

### **HUMAN & ORGANIZATIONAL FACTORS**

Moderator: Kevin Mercier, California State Lands Commission

- Implementing Crew Endurance Management by Mark Dougherty, American Commercial Barge Line
- Intertanko Terminal Vetting Database by Captain John N. Hill, Heidenreich Marine
- ABS Review and Analysis of Accident Databases
   by Denise McCafferty and Clifford C. Baker, American Bureau of Shipping

### MARINE OIL TERMINAL ENGINEERING & MAINTENANCE STANDARDS (MOTEMS)

Moderator: Martin L. Eskijian, P.E., California State Lands Commission

- Marine Oil Terminal Engineering and Maintenance Standards An Update by Martin L. Eskijian, P.E., California State Lands Commission
- An Overview of Four Pier Facilities Designed Using MOTEMS Seismic Criteria by Robert Harn, P.E., Berger/Abam
- MOTEMS Audit Process by Lee Mandley, P.E., SUN Engineering
- MOTEMS Strain-Based Seismic Evaluation of Wharf Structures Using ADINA by Hassan Sedarat, Ph.D, P.E., SC Solutions



Prevention First 2004
An Onshore and Offshore Pollution Prevention
Symposium & Technology Exhibition
September 14 - 5, 2004
The Westin Long Beach Hotel



### **TABLE OF CONTENTS**

### MARINE TERMINAL ENGINEERING ISSUES

Moderator: Martin L. Eskijian, P.E., California State Lands Commission

- Marine Terminal Docking Aid System/Instrumented Mooring Points by Roy Neal, ConocoPhillips Company
- Innovative Inspection and Repair of Pipelines Over Water by Brian Jack and Mike Harrington, ConocoPhillips Company
- Guidelines and Pass/Fail Criteria for Static Liquid Pressure Test of Marine Oil Terminals Pipelines
  by Bud Pringree, SPEC Services & Michael Edwards, P.E., California State Lands Commission
- Engineering Considerations in Siting and Design of Offshore LNG Terminals by Greg Pepper and Kamal Shah, Aker Kvaerner, Inc.

### **OSPR EMERGING ISSUES**

Moderator: Bud Leland, California Department of Fish and Game, OSPR

- Places of Refuge: A Pacific Partnership for Proper Prior Planning by Jean Cameron, Pacific States/British Columbia Oil Spill Task Force
- The Prestige Factor and the Industry Initiatives by Dragos Rauta, INTERTANKO
- "Bow Mariner" Tanker Casualty by Douglas Martin, Smit Salvage



## Prevention First 2004 An Onshore and Offshore Pollution Prevention Symposium & Technology Exhibition September 14 - 15, 2004 The Westin Long Beach Hotel



### TABLE OF CONTENTS

### ONSHORE AND OFFSHORE FACILITY DECOMMISSIONING

Moderators: Greg Pelka, California State Lands Commission & Tony DeVito, Aera Energy LLC

- Comparative Risk In The Complete Removal of Large Offshore Platforms by Dr. Robert Byrd and Esau R. Velazquez Twachtman Snyder & Byrd, Inc.
- Onshore Decommissioning Projects
   by Luis Perez, Santa Barbara County
- Development of an Outer Continental Shelf (OCS) Security Awareness Program by Victor Vella, Department of Defense

### **MARITIME SECURITY**

Moderator: Ken Leverich, California State Lands Commission

- An Overview of Homeland Defense Operational Planning System
   by Kimberlee Lohman, Lawrence Livermore National Lab
- A New Approach for Ensuring the Security and Safety of Ports and Vessels by Jim Ligotti, Ingersoll-Rand
- New Layer of Protection for Ports: Coast Guard Maritime Safety and Security Teams by LCDR Michael Baroody, U.S. Coast Guard, MSST SFB
- Special Events and Seaport Security
  by Rogers Hawkes, Director, Homeland Security/Homeland Defense, Tetra Tech, Inc.



# California State Lands Commission Presents Prevention First 2004 An Onshore and Offshore Pollution Prevention Symposium & Technology Exhibition September 14 - 15, 2004



### TABLE OF CONTENTS

The Westin Long Beach Hotel

### **OSPR: GLOBAL SHIPPING PERSPECTIVES**

Moderators: Bud Leland and Scott Schaefer, California Department of Fish and Game, OSPR

- Maritime Security Measuring Progress Three Years Out by C. Jonathan Benner, Troutman, Sanders, L.L.P.
- Risk Management Strategies for Operational Excellence by Graham Westgarth, Teekay Marine Services
- Evolving Demands on Classification Societies by Todd Grove, American Bureau of Shipping Americas
- Demands on Classification Societies by Ronald Williams, Det Norske Veritas
- The Design and Service Experience of the Polar Endeavour Class Tankers by Robert Levine, ConocoPhillips Company
- The New Company and Its Commitment to Substainable Development by Rich Harbison, ConocoPhillips Rodeo Refinery

### **ENVIRONMENTAL ISSUES**

Moderator: Jane Smith, California State Lands Commission

Removal of Bird Island
 by Eric Gillies, California State Lands Commission



Prevention First 2004
An Onshore and Offshore Pollution Prevention
Symposium & Technology Exhibition
September 14 - 15, 2004
The Westin Long Beach Hotel



### TABLE OF CONTENTS

### LNG ON THE WEST COAST

Moderator: Madhu Ahuja, P.E., California State Lands Commission

- LNG & CEQA Reviews, Case Studies by Stacey Crouch, Port of Long Beach
- LNG vs. Conservation and Renewable Energy What is in the Best Interest of California?
   by Bill Powers, Border Power Plants Working Group
- The Deepwater Port Act: Understanding the Licensing Process by LT Ken Kusano, USCG
- Is LNG in California's Future?
  by Mignon Marks, California Energy Commission

### PREVENTION AND SAFETY THROUGH INSPECTION AND MANAGEMENT

Moderators: Jim Hart, California State Lands Commission; Lance Lomax, THUMS Long Beach

- Pipeline MOU and Interagency Cooperation
   by Paul Mount, California State Lands Commission
- THUMS Pipeline Integrity Management Program by Kathy Griffis, THUMS Long Beach
- Safety through Process Management, Lessons Learned by Mark Steinhilber, California State Lands Commission



Prevention First 2004
An Onshore and Offshore Pollution Prevention
Symposium & Technology Exhibition
September 14 - 15, 2004
The Westin Long Beach Hotel



### **TABLE OF CONTENTS**

### CALIFORNIA MARITIME TRANSPORTATION SYSTEM

Moderator: Norman Fassler-Katz, State Assembly Committee on California Ports

• Where Does California Fit in the National Maritime Puzzle?

by H. Keith Lesnick, Maritime Transportation System National Advisory Council